

DVD-**622**

DVD-**612**



Let's make things better.



PHILIPS

Important Note

DK

Advarsel:

Laserrudstråling ved åbning når sikkerhesafbrydere er ude af funktion. Undgå u tsættelse for stråling.

Bemærk:

Netafbryderen POWER er sekundært indkoblet og afbryder ikke strømmen fra nettet. Den indbyggede netdel er derfor tilsluttet til lysnettet så længe netstikket sidder i stikkontakten.

N

Observer:

Nettbryteren POWER er sekundært innkoplet. Den innebygdenetdelen er derfor ikke frakoplet nettet så lenge apparatet er tilsluttet nettkontakten.

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S

Klass 1 laserapparat

Varning!

Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kann användaren utsättas för laserstråling, som överskrider gränsen för läserklass 1.

Observera!

Strömbrytaren POWER är sekundärt kopplad och inte bryter strömmen från nätet. Den inbyggda nät delen är därför ansluten till elnätet så länge stickproppen sitter i v ägguttaget.

SF

Luokan 1 laserlaite + Klass 1 laserapparat

Varoitus!

Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle lasersäteilille.

Huom.

Toiminnanvalitsin POWER on kytketty toisiopuolelle, eikä se kytke laitetta irti sähköverkosta. Sisäänrakennettu verkko-osa on kytkettynä sähköverkkoon aina silloin, kun pistoke on pistorasiassa.

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Important Note for Users in the UK

Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- 1 Remove fuse cover and fuse.
- 2 Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.
- 3 Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

Note: The severed plug must be disposed of to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L).

As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

- Connect the blue wire to the terminal marked N or coloured black.
- Connect the brown wire to the terminal marked L or coloured red.
- Do not connect either wire to the earth terminal in the plug, marked E (or e) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

Copyright in the U.K.

Recording and playback of material may require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.

General Information

The region code for this set is 2.



Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes and discs can have an optional region code. If you load a disc of a different region code to your player, you will see the region code notice on the screen. The disc will not playback, and should be unloaded.

**NOTE:
PICTURES SHOWN MAYBE DIFFERENT
BETWEEN COUNTRIES.**

**NEVER MAKE OR CHANGE CONNECTIONS
WITH THE POWER SWITCHED ON.**

**CAUTION
(WARNING LOCATION: ON THE BACKPLATE
OF SET)**

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CE The DVD-VIDEO player is in conformity with the EMC directive and low-voltage directive.

TruSurround and the SRS symbol are trademarks of SRS Labs., Inc. TruSurround technology is manufactured under license from SRS Labs., Inc.

TruSurround™
by **SRS** (●)®

For Customer Use:

Read carefully the information located at the bottom of your DVD-VIDEO player and enter below the Serial No. Retain this information for future reference.

Model No. DVD-VIDEO

Serial No. _____

Laser safety

This unit employs a laser. Due to possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

LASER

| | |
|-----------------|---------------------------------|
| Type | Semiconductor laser GaAlAs |
| Wave length | 650 nm (DVD) 780 nm (VCD/CD) |
| Output Power | 7 mW (DVD) 10 mW (VCD/CD) |
| Beam divergence | 60 degree |

CAUTION

VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM

ADVARSEL

SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING
UNDGÅ UDSÆTTELSE FOR STRÅLING

VARNING

SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR
DENNA DEL ÄR ÖPPNAD BETRakta EJ STRÅLEN
VARO!

AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA
NÄKYMÄTTÖMÄLLE LASER SÄTEILYLLE. ÄLÄ KATSO
SÄTEESEEN

VORSICHT

SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG
WENN ABDECKUNG GEÖFFNET NICHT DEM
STRAHL AUSSETZEN

ATTENTION

RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS
D'OUVERTURE EXPOSITION DANGEREUSE AU
FAISCEAU

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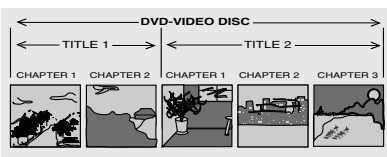
Introduction

Philips DVD-Video Introduction

Your Philips DVD-Video player will playback digital video discs conforming to the universal DVD-Video standard. The unique features of DVD-Video, such as selection of sound track, subtitle languages and different camera angles (disc dependent), are all supported. In addition to DVD-Video discs, you will be able to playback all Video CDs, SVCDs and Audio CDs.

DVD-Video

You will recognise DVD-Video discs by the logo shown. Depending on the material on the disc (a movie, video clips, a drama series, etc.) the disc may have one or more Titles.



Video CD

You will recognise Video CDs by the logo shown.



SuperVideo CD (SVCD)

SVCD discs based on the SuperVCD IO Standard referring to Standard of Electronics Industry of the People's Republic of China.

Audio CD

Audio CDs contain music tracks only. You will recognise Audio CDs by their logo shown.



MP3 (MPEG Audio Layer-3) (DVD622 only)

This player supports MP3 which contains compressed music tracks.

Note:

- Only the first session of multisession discs is supported

Unpacking

First check and identify the contents of your DVD-Video player package.

You should have the following items.

- DVD-Video player
- Remote Control with batteries
- Audio/Video cable
- SCART cable
- Instructions for use

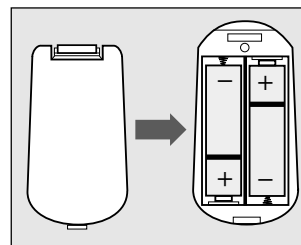
If any item is damaged or missing, contact your retailer or Philips.

Keep the packaging materials for future transportation.

Remote Control Battery Installation

- Insert batteries as indicated inside the battery compartment.

Caution: Do not mix old and new batteries. Never mix different types of batteries (standard, alkaline, etc.)



Environmental Information

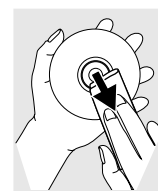
- Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Safety Information

- Do not expose the system to excessive moisture, rain, sand or heat sources.
- Place the player on a firm, flat surface.
- Keep the player away from domestic heating equipment and direct sunlight.
- In a cabinet, allow about 2.5 cm (1 inch) of free space all around the player for adequate ventilation.
- If the DVD-Video player cannot read CDs/DVDs correctly, use a commonly available cleaning CD/DVD to clean the lens before taking the DVD-Video player to be repaired. Other cleaning methods may destroy the lens. Always keep the tray closed to avoid dust on the lens.
- The lens may cloud over when the DVD-Video player is suddenly moved from cold to warm surroundings. Playing a CD/DVD is not possible then. Leave the power on for about one hour with no disc in the unit until normal playback is possible.

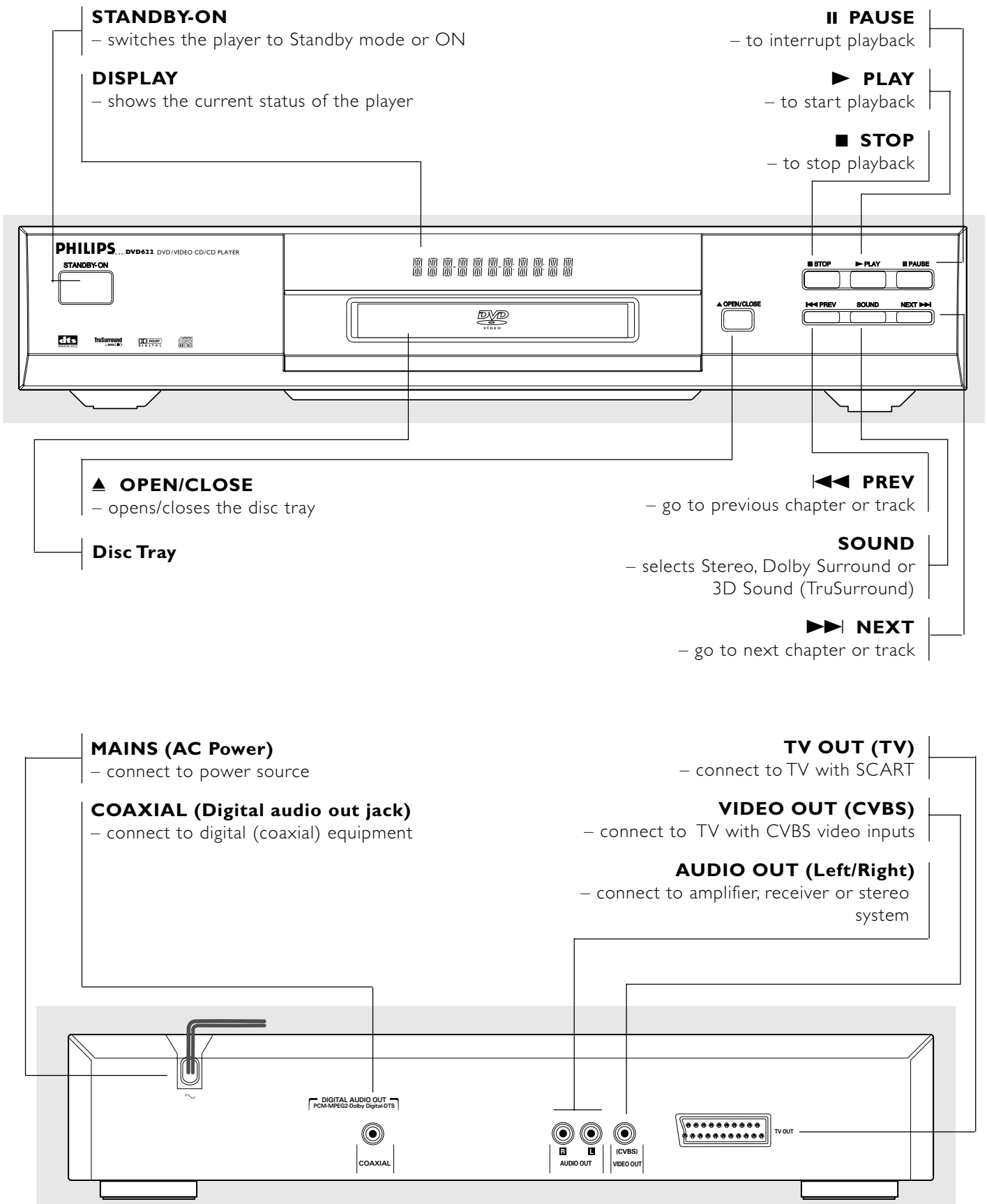
Cleaning Discs

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out, in a straight line.
- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for analog discs.



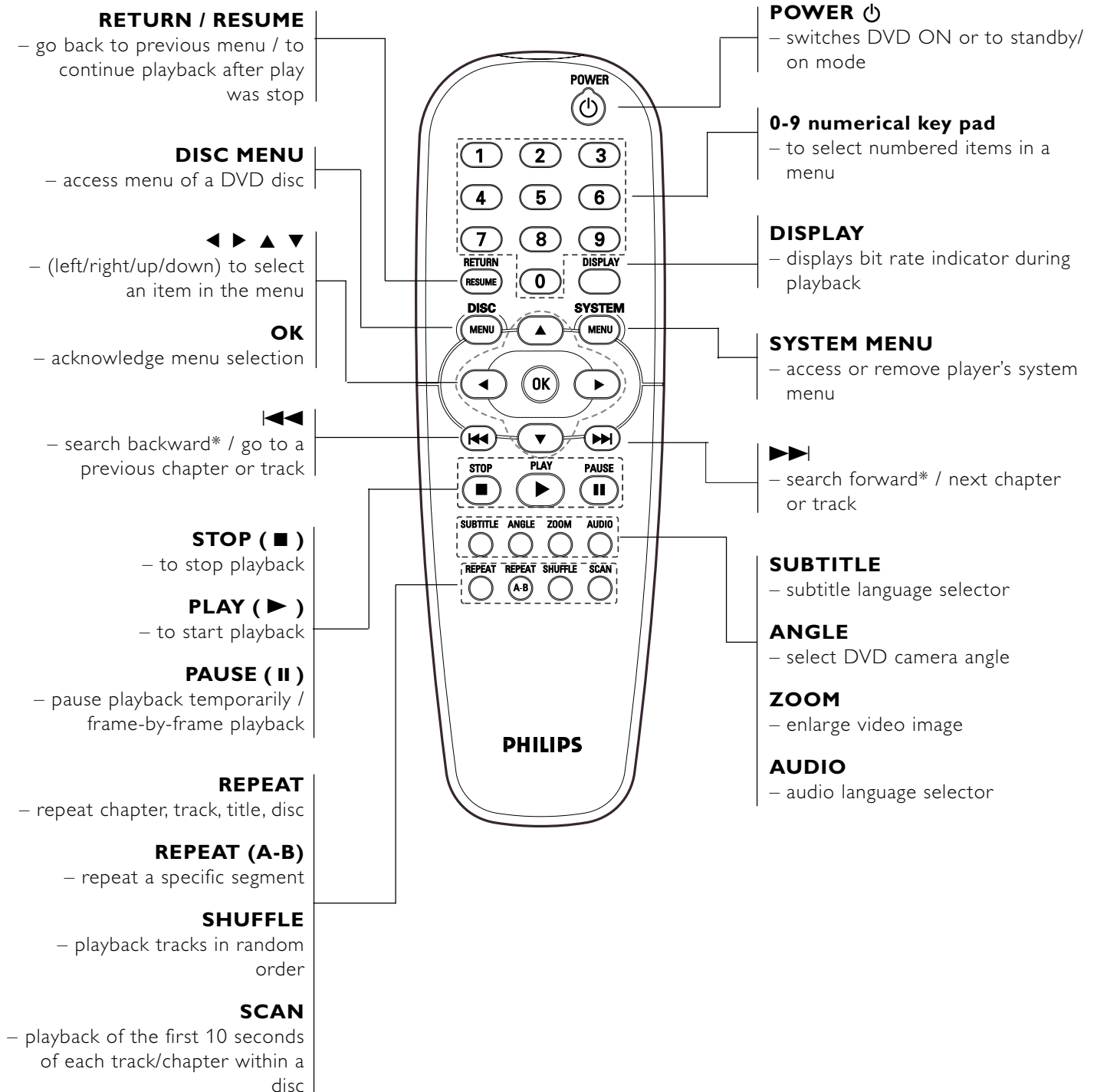
Functional Overview

Front and Rear Panels



Caution: Do not touch the inner pins of the jacks on the rear panel connectors. Electrostatic discharge may cause permanent damage to the unit.

Remote Control



* Press key for about 2 seconds

Preparation

General Notes

- Depending on your TV and other equipment you wish to connect, there are various ways you could connect the player. Use only one of the connections described below.
- Please refer to the manuals of your TV, VCR, Stereo System or other devices as necessary to make the best connections.
- For better sound reproduction, connect the player's audio out jacks to the audio in jacks of your amplifier; receiver, stereo or A/V equipment. See 'Connecting to optional equipment'.

Caution:

- Make sure the DVD player is connected directly to the TV. Set the TV to the correct video input channel.
- Do not connect the player's audio out jack to the phono in jack of your audio system.
- Do not connect your DVD-player via your VCR. The DVD image could be distorted by the copy protection system.

Connecting to a TV

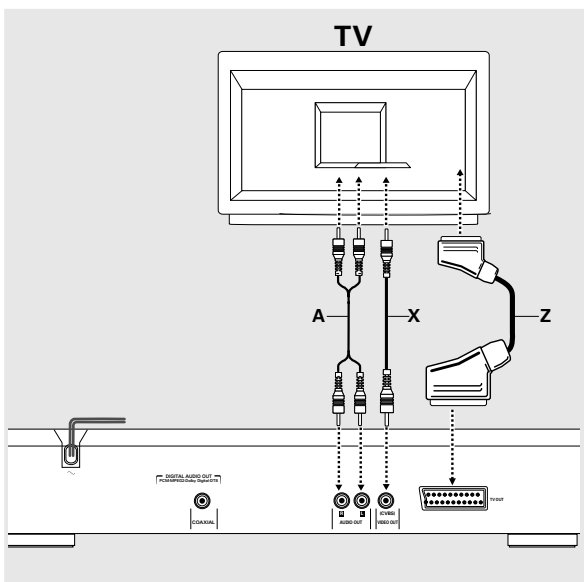
- Make one of the following connections, depending on the capabilities of your existing equipment.

- 1 Connect the SCART to the corresponding connector on the TV using the SCART cable supplied (Z).

If your TV is not equipped with a SCART you can select one of the following alternative connections:

Video CVBS connection

- 1 Connect the (CVBS) VIDEO OUT jack on the DVD player to the video in jack on the TV using an optional video cable (X).
- 2 Connect the Left and Right AUDIO OUT jacks of the DVD player to the audio left/right in jacks on the TV (A).



Connecting to Optional Equipment

Connecting to an amplifier equipped with two channel analog stereo or Dolby Surround

- 1 Connect the Left and Right AUDIO OUT jacks of the DVD player to the audio left and right in jacks on your amplifier; receiver or stereo system, using the supplied audio cable (A).

Note:

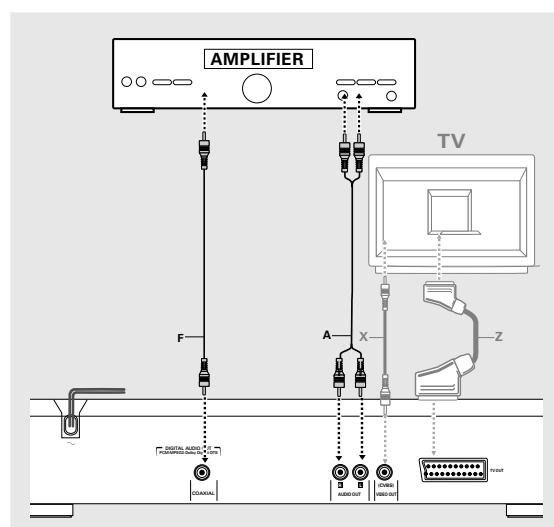
- You cannot use the MP3 function with the digital out connectors.

Connecting to an amplifier equipped with two channel digital stereo (PCM) or to an A/V receiver equipped with a multi-channel decoder (Dolby Digital™, MPEG 2 and DTS)

- 1 Connect the player's digital audio out jack (coaxial F) to the corresponding in jack on your amplifier. Use an optional digital (coaxial F) audio cable.
- 2 You will need to activate the player's digital output (see 'Personal Preferences').

Digital Multi-channel sound

Digital multi-channel connection provides the best sound quality. For this you need a multi-channel A/V receiver that supports one or more of the audio formats supported by your DVD player (MPEG 2, Dolby Digital™ and DTS). Check the receiver manual and the logos on the front of the receiver.



Note:

- If the audio format of the digital output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound or no sound at all.
- Six Channel Digital Surround Sound via digital connection can only be obtained if your receiver is equipped with a Digital Multi-channel decoder.
- To see the selected audio format of the current DVD in the Status Window, press SYSTEM MENU or Audio.

NTSC/PAL Settings

You can switch the NTSC/PAL setting of the DVD player to match the video signal of your TV. This setting only affects the television's on-screen display that shows the stop and setup modes. You may select either NTSC or PAL. To change the DVD player setting to PAL or NTSC, follow the steps below.

- 1 Unplug the DVD player from the mains.
- 2 Press and hold ■ and ►►, on the front of the DVD player. While holding ■ and ►►, plug in the mains.
- 3 After PAL or NTSC appears on the display panel of the DVD player, release ■ and ►►, at the same time. The PAL or NTSC that appears on the display panel indicates the current setting.
- 4 To change the setting, press ►►, within three seconds. The new setting (PAL or NTSC) will appear on the display panel.

NTSC/PAL Conversion (DVD622

only)

This player is equipped with NTSC/PAL conversion feature to convert the video output of the disc to match with your TV system. The conversion supported are as per below.

| Type | Disc Format | Output format | | |
|------|-------------|---------------|-----|------|
| | | Selected mode | | |
| | | NTSC | PAL | AUTO |
| DVD | NTSC | NTSC | PAL | NTSC |
| | PAL | Not Supported | PAL | PAL |
| VCD | NTSC | NTSC | PAL | NTSC |
| | PAL | NTSC | PAL | PAL |

- 1 In the Preference Menu, select **TV System**.
- 2 Press ▲ or ▼ to select PAL, NTSC or AUTO.

Notes:

- AUTO can only be selected when using a TV that has both the NTSC and PAL systems.
- This is applicable for CVBS output on cinch and SCART only
- Slight picture distortions may occur due to this conversion. This is normal. Thus, the AUTO format is most suitable for the best picture quality.

General Explanation

About this manual

This manual gives the basic instructions for operating the DVD player. Some DVDs require specific operation or allow only limited operation during playback which may not respond to all operating commands. When this occurs, the symbol ✕ appears on the TV screen, indicating that the operation is not permitted by the player or the disc.

Remote control operation

- Unless stated, all operations can be carried out with the remote control. Always point the remote control directly at the player, making sure there are no obstructions in the path of the infrared beam. Corresponding keys on the front panel of the player can also be used.

Menu bar operation

- A number of operations can be carried out via the menu bar on the screen. The menu bar can be accessed by pressing the cursor keys on the remote control.
- Pressing SYSTEM MENU while the menu bar is displayed will clear the menu bar from the screen.
- The selected item will be highlighted and the appropriate cursor keys to operate will be displayed below the icon.
- < or > indicates that more items are available at the left/right of the menu bar. Press ◀ or ▶ to select these items.

Initial Setup (Virgin Mode)

General

In 'Initial Setup' you may have to set your preferences for some of the player's features. *(not applicable for all models)*

Operation

After switching on the player for the very first time, the 'Initial Setup Screen' will appear. The menu for the first item to be set is displayed and the first option is highlighted.

- Use the ▼ ▲ keys to go through the options in the menu. The icon of the selected option will be highlighted.
- Use OK to confirm your selection and to go to the next menu.

Note:

- Preferences have to be set in the order of which the item menus will appear on the screen.
- The 'Initial Setup' screen will only disappear after the settings for the last item have been confirmed.
- If any keys other than ▼ ▲ or OK are pressed, ✕ will appear on the screen.
- If the player is switched off while setting personal preferences, all preferences have to be set again after switching the player on again.

The following items may have to be set in Initial Setup:

Menu language

You can choose from different languages. The On Screen Menus will be displayed in the language available on the player.

Audio language

You can choose from different languages. If available on the disc, the player will play the audio in the selected language. If the selected language is not available, speech will revert to the first spoken language on the disc.

Subtitle language

You can choose from different subtitle languages. If available on the disc, subtitles will be in the language chosen. If the selected language is not available, subtitles will revert to the first subtitle language on the disc.

TV Shape

If you have a wide screen (16:9) TV, select 16:9.

If you have a regular (4:3) TV, select 4:3.

If you have a 4:3 TV, you can also select between:

Letterbox for a 'wide-screen' picture with black bars top and bottom, or Pan Scan, for a full-height picture with the sides trimmed. If a disc supports the format, the picture will be shown accordingly.

Country

Select your country. This is used as input for the 'Parental Control' feature (see 'Access Control').






Note:

- All these items may have to be set during 'Initial Setup'. After that, they can always be changed in the Personal Preferences Menu.

Menu Bar/Status Window

As there are multiple menu-bars, the items on the menu-bar are arranged according to usage, availability of direct access keys. Pressing the SYSTEM MENU keys once will toggle through menu-bar-1, menu-bar-2, menu-bar-3 and OFF.





Menu-bar-1

-  Personal Preferences
-  Subtitle Language
-  Audio Language
-  Colour
-  Sound















Menu-bar-2

-  Step
-  Slow motion
-  Fast motion
-  Angle
-  Zoom

Menu-bar-3

-  Title
-  Chapter
-  Time Search
-  Favourite Track Selection (FTS)

Temporary Feedback Field Icons

| | |
|--|-------------------|
|  | Scan |
|  | Repeat All |
|  | Repeat Title |
|  | Repeat Track |
|  | Repeat Chapter |
|  | Shuffle |
|  | Shuffle Repeat |
|  | Repeat A to end |
|  | Repeat A-B |
|  | Angle |
|  | Child Lock On |
|  | Child Safe |
|  | Resume |
|  | Action prohibited |

Personal Preferences

You can set your own personal preferences on the player.

General operation:

- Press SYSTEM MENU on the remote control.
- Select **TV** in the menu bar.
→ The Personal Preferences menu appears.
- Use the ◀ ▶ ▲ ▼ keys to toggle through the menus, submenus and submenu options.
→ When a menu item is selected, the cursor keys (on the remote control) to operate the item are displayed next to the item.
- Press OK to confirm and return to the main menu.
The following items can be adapted:

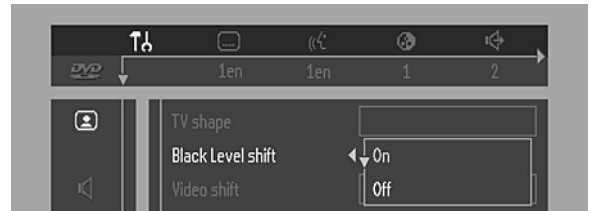
Picture

– TV Shape

See 'Initial Setup'

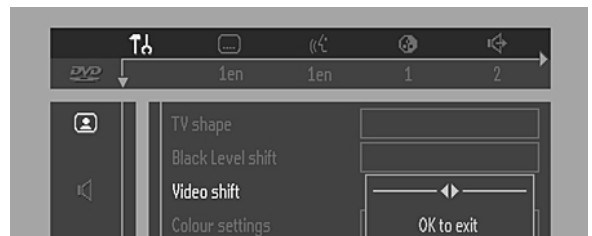
– Black level shift (NTSC only)

Select ON for adapting the colour dynamics to obtain richer contrasts.



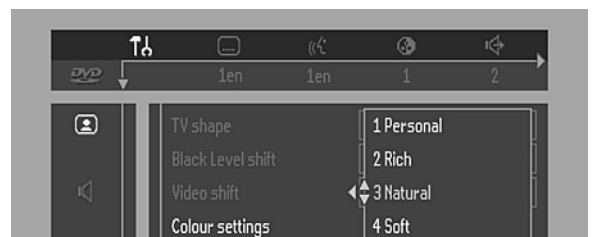
– Video shift

The factory centres the video on your screen. Use this setting to personalize the position of the picture on your TV by scrolling it to the left or right.



– Colour settings (DVD622 only)

You can select one of five predefined sets of colour settings and one set (Personal) which you can define yourself.



– Personal colour (DVD622 only)

Allows you to fine-tune the selected colour settings saturation, brightness and contrast.

– TV System

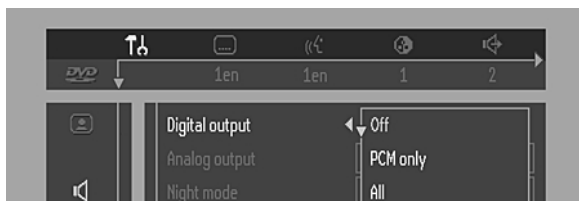
Allows you to select between PAL, NTSC and AUTO mode depending on your TV.

Sound

– Digital output

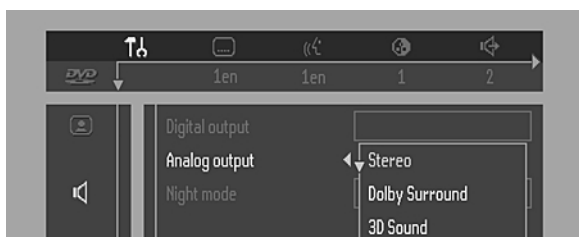
Factory setting: ALL. This means coaxial output is on. If you are not connecting equipment with a digital input, change the setting to OFF.

If your equipment doesn't include a digital multi-channel decoder, set the digital output to PCM (Pulse Code Modulation).



– Analog output

Select Stereo, Dolby Surround or 3D sound (TruSurround) to match your system's playback capability.



– Night Mode

Optimizes the dynamics of the sound for low volume playback.

– Karaoke vocal

Put this setting to ON only when a multi-channel karaoke DVD is being played. The karaoke channels on the disc will then be mixed into a normal stereo sound.

Language

Select the required Menu, Audio and Subtitle language. See 'Initial Setup'.

Audio language and Subtitle language can also be adapted via the Menu bar on the screen.

Features

– Access Control

Access Control contains the following features:

Child Lock - When Child Lock is set to ON, a 4-digit code needs to be entered in order to playback discs.

Parental control - Allows the conditional presentation of DVDs containing Parental Control information (see 'Access Control').

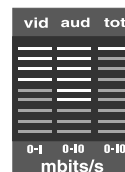
– Status Window

Displays the current status of the player and is displayed with the menu bar. When disc playback is stopped, it is displayed with the 'Temporary Feedback Field' in the default screen. See 'On-Screen Display' information; Factory setting is ON. Select OFF to suppress display of the Status Window.



– Bit Rate Indicator

When activated, the bit rate for video, audio as well as total bit rate is displayed. This is only applicable during playback of DVD and SVCD discs.



– Help text

When set to ON, help text describes the icons selected. Select OFF if you no longer require the help text.

– Low Power Standby

If this is set to ON, the player will go in low-power standby when the standby button is pressed (front panel or remote control).

– PBC (Playback Control)

The Playback Control can be set to ON or OFF.

Operation

Loading Discs

- 1 Press OPEN/CLOSE on the front of the player to open disc tray.
- 2 Load your chosen disc in the tray, label side up.
- 3 Press OPEN/CLOSE again, to close the tray.
→ **READY** appears in the status window and on the player display, and playback starts automatically.

Note:

– If 'Child Lock' is set to ON and the disc inserted is not authorised, the 4-digit code must be entered and/or the disc must be authorised (see 'Access Control').

Playing a DVD-video and Video CD disc

Playing a disc



- After inserting the disc and closing the tray, playback starts automatically and the status window of the player display shows the type of disc loaded, as well as disc's information and playing time.
- The disc may invite you to select an item from a menu. If the selections are numbered, press the appropriate numerical key; if not, use the ▲/▼, ◀/▶ keys to highlight your selection, then press OK.
- The currently playing title and chapter number are displayed.
- Playback may stop at the end of the Title, and then may return to the DVD menu. To go on to the next title, press ▶.
- To stop playback, press ■.
- The default screen will appear, giving information about the current status.
- You can resume playback from the point at which you stopped playback. Press ▶; when you see the Resume icon ▶ on the screen, press ▶ again.
→ The RESUME feature applies not only to the disc in the player, but also to the last four discs you have played. Simply reload the disc and press **RESUME** on the remote control or; press ▶ when you see the Resume icon ▶ on the screen, then press ▶ again.

Note:

– DVDs may have a region code. Your player will not play discs that have a region code different from the region code of your player.

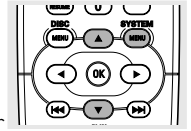
General features

Note:

– Unless stated, all operations described are based on remote control operation. A number of operations can also be carried out via the menu bar on the screen.

Moving to another title/chapter

When a disc has more than one title or chapter, you can move to another title/ chapter as follows:



- Press **SYSTEM MENU**, then select ■ or □ in the menu bar.
- Press ▲ or ▼ to select a title/chapter.

Note:

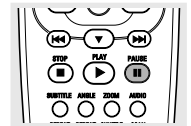
– If the number has more than one digit, press the keys in rapid succession.

Slow Motion

- Select ▶ (SLOW MOTION) in the menu bar.
- Use the ▼ keys to enter the SLOW MOTION menu.
→ The player will now go into PAUSE mode.
- Use the cursor keys ◀▶ to select the required speed: -1, -1/2, -1/4 or -1/8 (backward), or +1/8, +1/4, +1/2 or +1 (forward).
- Select 1 to play the disc at normal speed again.
- If ■ is pressed, the speed will be set to zero (PAUSE).
- To exit slow motion mode, press ▶ and ▲.

Still Picture and Frame-by-frame playback

- Select ■ (STEP) in the menu bar.
- Use the ▼ key to enter the picture by picture menu.
→ The player will now go into PAUSE mode.
- Use the cursor keys ◀▶ to select the previous or next picture frame.
- To exit **STEP** mode, press ▶ or ▲.

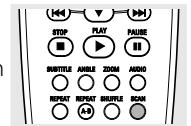


You can also step forward by pressing ■ repeatedly on the remote control.







Scan

Scanning plays the first 10 seconds of each chapter/index on the disc.

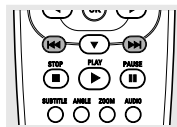
- Press **SCAN**.
- To continue playback at your chosen track, press **SCAN** again or press ▶.



Search

- Select  (FAST MOTION) in the menu bar.
- Use the  keys to enter the FAST MOTION menu.
- Use the   keys to select the required speed: -32, -8 or -4 (backward), or +4, +8, +32 (forward).
- Select 1 to play the disc at normal speed again.
- To exit FAST MOTION mode, press  or .

To search forward or backward through different speeds, you can also hold down   or  .



Repeat

DVD-Video Discs - Repeat chapter/ title/disc

- To repeat the currently playing chapter, press REPEAT.
→ **REPEAT CHPT** appears on the player display.
- To repeat the title currently playing, press REPEAT a second time.
→ **REPEAT TITL** appears on the display.
- To repeat the entire disc, press REPEAT a third time.
→ **REPEAT** appears on the display.
- To exit Repeat mode, press REPEAT a fourth time.

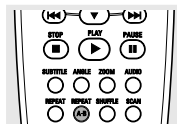
Video CDs - Repeat track/disc

- To repeat the track currently playing, press REPEAT.
→ **REPEAT TRK** appears on the player display.
- To repeat the entire disc, press REPEAT a second time.
→ **REPEAT** appears on display and screen.
- To exit Repeat mode, press REPEAT a third time.

Repeat A-B

To repeat a sequence in a title:

- Press REPEAT A-B at your chosen starting point;
→ **A-** appears briefly on the screen.
- Press REPEAT A-B again at your chosen end point;
→ **REPEAT A-B** appears briefly on the display, and the repeat sequence begins. (**REPEAT A-B** is displayed on the front panel of the player)
- To exit the sequence, press REPEAT A-B.



Shuffle

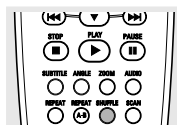
DVD-Video discs

This shuffles the playing order of chapters within a title, if the title has more than one chapter:

- Press SHUFFLE during playback.
→ **SHUFFLE** appears on the screen for about 2 seconds.
- To return to normal playback, press SHUFFLE again.



Video CDs

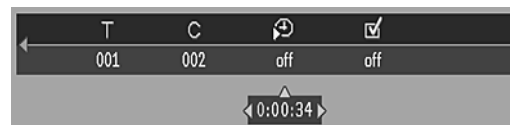
- Press SHUFFLE during playback.
→ **SHUFFLE** appears on the screen for about 2 seconds.
- To return to normal playback, press SHUFFLE again.



Time search









The Time Search function allows you to start playing at any chosen time on the disc.

- Select  (TIME SEARCH) in the menu bar.
- Press .
→ The player will now go into PAUSE mode.
→ A time edit box appears on the screen, showing the elapsed playing time of the current disc.
- Use the digit keys to enter the required start time. Enter hours, minutes and seconds from left to right in the box.
→ Each time an item has been entered, the next item will be highlighted.
- Press OK to confirm the start time.
→ The time edit box will disappear and playback starts from the selected time position on the disc.



Zoom

The Zoom function allows you to enlarge the video image and to pan through the enlarged image.

- Select  (**ZOOM**).
- Press  /  to activate the **ZOOM** function and select the required zoom factor: 1.33 or 2 or 4.
→ The player will go into Pause mode.
→ The selected zoom factor appears below the Zoom icon in the menu bar and 'Press OK to pan' appears below the menu bar.
→ The picture will change accordingly.
- Press OK to confirm the selection.
→ The panning icons appear on the screen.
- Use the     keys to pan across the screen.
- When OK is pressed only the zoomed picture will be shown on the screen.
- To exit **ZOOM** mode:
– Press  to resume playback.



FTS-Video

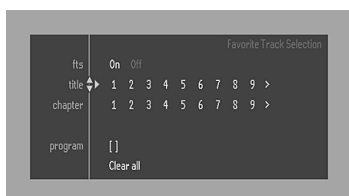
- The FTS-Video function allows you to store your favourite titles and chapters (DVD) and favourite tracks and indexes (VCD) for a particular disc in the player memory.
- FTS programme can contain 20 items (titles, chapters).
- An programmed FTS will be placed on top of the list when playback is activated. When the list is full, a new programme will replace the last programme on the list.
- The programme can be selected and played at any time.

Storing a FTS-Video Programme

- In STOP mode, select **VIDEO FTS** in the menu bar.
- Press ▼ to open the menu.
→ The **VIDEO FTS** menu appears.
- Press ► or ◀ or FTS to select ON or OFF.

Storing titles/tracks

- Press ▼ to select **TITLES**.
- Use ► and ◀ to select the required title.
- Press OK if you wish to store the entire title.
→ The title number will be added to the list of selections.



Storing chapters/indexes

- Press ▼ on the selected title number.
→ The title number will be marked and the highlight moves to the first available chapter number for this title.
- Use ► and ◀ to select the required chapter number.
- Press OK to confirm the selection.
→ The title/chapter selection will be added to the list of selections.
- Press SYSTEM MENU to exit the **VIDEO FTS** menu.

Erasing a FTS-Video Programme

- In STOP mode, select **VIDEO FTS** in the menu bar.
- Use ▼ to select **PROGRAM**.
- Use ► and ◀ to select the required selection number.
- Press OK to erase the selection.
- Press SYSTEM MENU to exit.

If you wish to erase all selections:

- In STOP mode, select **VIDEO FTS** in the menu bar.
- Use ▼ to select **CLEAR ALL**.
- Press OK.
→ All selections will now be erased.
- Press SYSTEM MENU to exit.

Special DVD features

Checking the contents of DVD-Video discs: Menus

DVDs may contain menus to navigate the disc and access special features. To use the menu, press the appropriate numerical key; or use the ▼, ▲, ►, ◀ keys to highlight your selection, then press OK.

Title/Disc menu

- Press **DISC MENU**.
→ If the current title has a menu, the menu will appear on the screen otherwise, the disc menu will be displayed.
- The menu can list camera angles, spoken language and subtitle options, and chapters for the title.
- To remove the title menu, press **DISC MENU** again.

Camera Angle

- If the disc contains sequences recorded from different camera angles, the angle icon appears, showing the number of available angles and the angle being shown currently. You can then change the camera angle if you wish.
- Use the ▲/▼ keys to select the required angle icon.
→ After a while, playback changes to the selected angle. The angle icon remains displayed until multiple angles are no longer available.



Changing the audio language

- Select ((⏪) (**AUDIO**) in the menu bar.
- Press ((⏪) or ▲/▼ repeatedly to see the different languages.



Subtitles

- Select (☐) (**SUBTITLE**) in the menu bar.
- Press (☐) or ▲/▼ repeatedly to see the different subtitles.



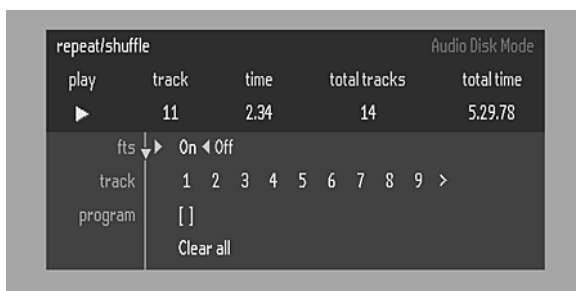
Special VCD & SVCD features

Playback Control (PBC)

- Load a Video CD with PBC and press ►.
- Go through the menu with the keys indicated on the TV screen until your chosen passage starts to playback. If a **PBC** menu consists of a list of titles, you can select a title directly.
- Enter your choice with the numerical keys (0-9).
- Press RETURN to go back to the previous menu.
- You may also set to **PBC OFF** under Personal Preferences.

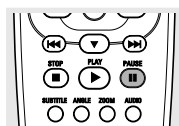
Playing an audio CD

- After loading the disc, playback starts automatically.
- If the TV is on, the Audio CD screen appears.
- The number of tracks and the total playing time will be shown on the screen.
- During playback, the current track number and its elapsed playing time will be shown on the screen and on the player display.
- Playback will stop at the end of the disc.
- To stop playback at any other time, press ■.



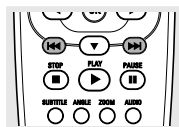
Pause

- Press **II** during playback.
- To return to playback, press ►.



Search

- To search forward or backward through the disc at four times normal speed, hold down **◀◀** or **▶▶** for about one second during playback.
 - Search begins, and sound is partially muted.
- To step up to eight times the normal speed, press **◀◀◀** or **▶▶▶** again.
 - Search goes to eight times the speed, and the sound is muted.
- To return to four times the normal speed, press **◀◀** or **▶▶** again.
- If the TV is on, search speed and direction are indicated on the screen each time **◀◀** or **▶▶** is pressed.
- To end the search, press **▶** to resume playback or **■** to stop.

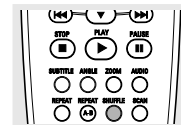


Moving to another track

- Press **◀◀** or **▶▶** briefly during playback to go to the next or to return to the beginning of the current track.
- Press **◀◀** twice briefly to step back to the previous track.
- To go directly to any track, enter the track number using the numerical keys (0-9).

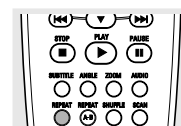
Shuffle

- Press **SHUFFLE** during playback.
 - The order of the tracks is changed.
- To return to normal playback, press **SHUFFLE** again.



Repeat track/disc

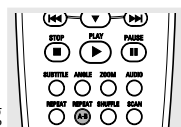
- To repeat the track currently playing, press **REPEAT**.
 - **REPEAT TRK** appears on the display.
- To repeat the entire disc, press **REPEAT** a second time.
 - **REPEAT** appears on the display.
- To exit Repeat mode, press **REPEAT** a third time.



Repeat A-B

To repeat a sequence:

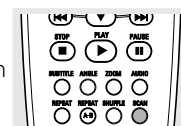
- Press **REPEAT A-B** at your chosen starting point;
 - **A-** appears on the player display.
- Press **REPEAT A-B** again at your chosen end point;
 - **A-B** appears on the display, and the sequence begins to playback repeatedly.
- To exit the sequence, press **REPEAT A-B** again.



Scan

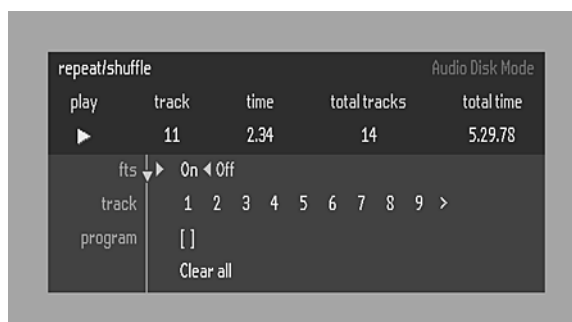
Scanning plays the first 10 seconds of each track on the disc.

- Press **SCAN**.
- To continue playback at your chosen track, press **SCAN** again or press ►.



FTS Programme

- FTS Programme allows you to store your favourite tracks for a particular disc in the player memory.
- Each FTS Programme can contain 20 tracks.



Storing an FTS Programme

- 1 Load a disc and stop playback.
- 2 Use ▼ to go to the list of available tracks.
- 3 Use ► or ◀ to select tracks from the list.
To go directly to any track, enter the track number using the numerical keys (0-9).
- 4 Store each track by pressing OK.
 - The track numbers will be added to the list.
 - The number of tracks and the playing time of the programme will be shown on the screen and the player display.

When your FTS Programme is complete, press ► to start playback, or ▲ to go back to Stop mode. In either case, the FTS Programme will be automatically memorized.

Switching FTS ON/OFF

- 1 Use ▲ ▼ to move to select desired tracks.
- 2 Use ► or ◀ to select either ON or OFF.

Erasing a track from an FTS Programme

- 1 Use ▼ to go to the list of selected tracks.
- 2 Use ► and ◀ to select the track number you wish to erase.
- 3 Press OK.
 - The track number will be erased from the list of selected tracks.

Erasing the complete programme

- 1 Use ▼ to select **CLEAR ALL**, then press OK.
 - The complete FTS Programme for the disc will be erased.

MP3 Disc Features (DVD622 only)

Support following MP3-CD formats (ISO9660 format):

- Max. 30 characters
- Max. nested directory is 8 levels
- The max. ALB number is 32
- Supported VBR bit-rate
- Supported sampling frequencies for MP3 disc are: 32 kHz, 44.1 kHz, 48 kHz
- Supported Bit-rates of MP3 disc are: 32, 64, 96, 128, 192, 256 (kbps)

Following formats can't be supported

- The files like *.WMA, *.AAC, *.DLF, *.M3U, *.PLS
- Chinese filename
- The non-session closed discs
- The discs recorded under UDF format

Downloading MP3 files from the Internet or ripping songs from your own legal discs, is a delicate process.

| Sound Quality | Bit Rate | Approximate Reduction Ratio | Approximate total MP3-CD time | Comment |
|---------------|----------|-----------------------------|-------------------------------|---|
| AM radio | 32 kbps | 40 : 1 | 40 hrs | Sound quality significantly affected – not recommended. |
| FM radio | 64 kbps | 20 : 1 | 20 hrs | |
| Near-CD | 96 kbps | 15 : 1 | 15 hrs | Balanced sound quality – compression rate |
| CD-like | 128 kbps | 10 : 1 | 10 hrs | |
| CD* | 256 kbps | 5 : 1 | 5 hrs | Compression rate low – suggest to play CDs instead |
| CD* | 320 kbps | 3 : 1 | 3 hrs | |

You may experience an occasional “skip” while listening to your MP3 files. This is normal.

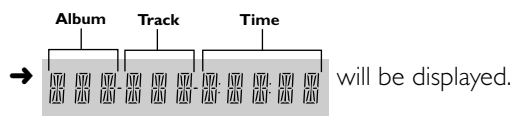
Additional note for MP3 disc Playback:

- In compliance with the SDMI, digital-out is muted while playing MP3 discs.
- Due to the recording nature of Digital Audio MP3 (DAM), only Digital Audio music will play.
- The disc reading time may exceed 10 seconds due to the large number of songs compiled into one disc.
- Only the first session of multisession discs is supported.

Album/Title

This feature allows you to view and select the next or previous MP3 disc Album/Title.

- 1 Press ▲/▼ to scroll through the previous or next Album.
- 2 Press ◀▶ to scroll through the previous or next Track.



- 3 You can also select the desired album/track number directly from the numerical key pad on the remote control.

Note:

- In **STOP mode**: numbers are used for **ALBUM** selection.
- In **PLAY mode**: numbers are used for **TRACK** selection.

- Only the following modes are possible for MP3 discs:
 - STOP / PLAY / PAUSE
 - SKIP NEXT / PREVIOUS
 - REPEAT (ALBUM / TRACK / DISC)

MP3 Discs - Album/Track/Disc

- To repeat track, press REPEAT.
 - **REPEAT TRK** appears on the display.
- To repeat album, press REPEAT a second time.
 - **REPEAT ALBM** appears on the player display.
- To repeat disc, press REPEAT a third time.
 - **REPEAT DISC** appears on the player display.

Access Control

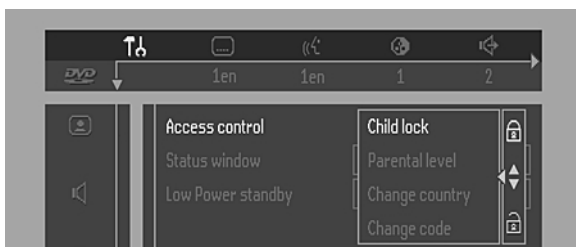
Access Control; Child Lock (DVD-Video and Video CD)

Activating/deactivating the child lock

- 1 When disc playback is stopped, select **ACCESS CONTROL** in the features menu using the ▲/▼ keys.
- 2 Enter a 4-digit code of your own choice.
- 3 Enter the code a second time.
- 4 Move to **"CHILD LOCK"** using the ▲/▼ keys.
- 5 Move to **LOCK/UNLOCK** using the ► key.
- 6 Select **LOCK** using the ▲/▼ keys.
- 7 Press OK or ◀ to confirm, then press ◀ again to exit the menu.
→ Now unauthorized discs will not be played unless the 4-digit code is entered.
- 8 Select **UNLOCK** to deactivate the **CHILD LOCK**.

Note: Confirmation of the 4-digit code is necessary when:

- The code is entered for the very first time (see above),
- The code is changed (see 'Changing the 4-digit code'),
- The code is cancelled (see 'Changing the 4-digit code').

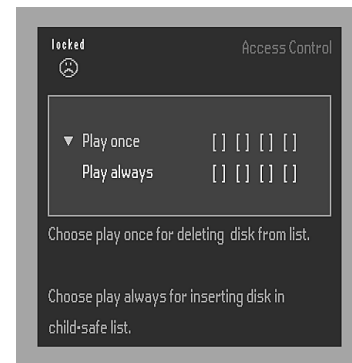


Authorizing discs

- Insert the disc. See 'Loading disc'.
→ The 'child protect' dialog will appear.
You will be asked to enter your secret code for 'Playback Once' or 'Playback Always'. If you select 'Playback Once', the disc can be played as long as it is in the player and the player is ON. If you select 'Playback Always', the disc will become child safe (authorized) and can always be played, even if the Child Lock is set to ON.

Notes:

- The player memory maintains a list of 120 authorized ('Child safe') disc titles. A disc will be placed in the list when 'Playback Always' is selected in the 'child protect' dialog.
- Each time a 'child safe' disc is played, it will be placed on top of the list. When the list is full and a new disc is added, the last disc in the list will be removed from the list.
- Double sided DVDs may have a different ID for each side. In order to make the disc 'child safe', each side has to be authorized.
- Multi-volume VCDs may have a different ID for each volume. In order to make the complete set 'child safe', each volume has to be authorized.

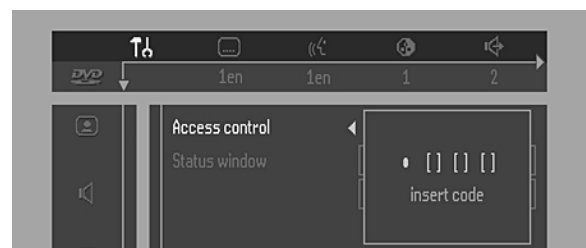


Deauthorizing discs

- Insert the disc. See 'Loading disc'.
→ Playback starts automatically.
- Press ■ while ☺ is visible.
→ The ☹ will appear and the disc is now deauthorized.

Access control; Parental Control (DVD-Video only)

Movies on DVDs may contain scenes not suitable for children. Therefore, disc may contain 'Parental Control' information which applies to the complete disc or to certain scenes on the disc. These scenes are rated from 1 to 8, and alternative, more suitable scenes are available on the disc. Ratings are country dependent. The 'Parental Control' feature allows you to prevent discs from being played by your children or to have certain discs played with alternative scenes.



Activating/Deactivating Parental Control

- 1 When disc playback is stopped, select **ACCESS CONTROL** in the features menu using the ▲/▼ keys.
- 2 Enter your 4-digit code. If necessary, enter the code a second time.
- 3 Move to Parental Control using the ▲/▼ keys.
- 4 Move to **VALUE ADJUSTMENT** (1-8) using the ► key.
- 5 Then use the ▲/▼ keys or the numerical keys on the remote control to select a rating from 1 to 8 for the disc inserted.

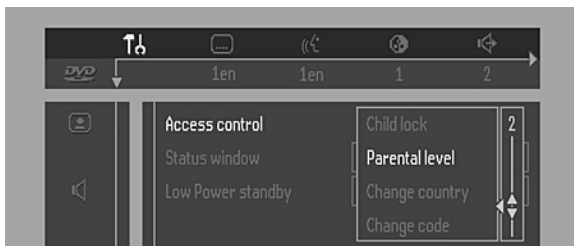
Rating 0 (displayed as '—'):

Parental Control is not activated. The Disc will be played in full.

Ratings 1 to 8:

The disc contains scenes not suitable for children. If you set a rating for the player, all scenes with the same rating or lower will be played. Higher rated scenes will not be played unless an alternative is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, playback will stop and the 4-digit code has to be entered.

- 6 Press OK or ◀ to confirm, then press ◀ again to exit the menu.



Country

- 1 When disc playback is stopped, select **ACCESS CONTROL** in the features menu using the ▲/▼ keys.
- 2 Enter the 4-digit code.
- 3 Move to **CHANGE COUNTRY** using the ▼ key.
- 4 Press the ► key.
- 5 Select a country using ▲/▼.
- 6 Press OK or ◀ to confirm, then press ◀ again to exit the menu.

Changing the 4-digit code

- 1 When disc playback is stopped, select **ACCESS CONTROL** in the features menu using the ▲/▼ keys.
- 2 Enter the old code.
- 3 Move to **CHANGE CODE** using the ▼ key.
- 4 Press the ► key.
- 5 Enter the new 4-digit code.
- 6 Enter the code a second time and reconfirm by pressing OK.
- 7 Press ◀ to exit the menu.

If you forget your 4 digit code

- 1 Press ■ to exit 'Child Protect' screen.
- 2 Select **ACCESS CONTROL** in the features menu using the ▲/▼ keys.
- 3 The 4-digit code can be cancelled by pressing ■ four times in the 'Access Control' dialog.
- 4 You can then enter a new code (twice!) as described above (Changing the 4 digit code).

Parental Control Disclaimer

This DVD player features the **PARENTAL CONTROL** system which is intended to activate when playing DVD discs furnished with certain software coding. This is according to technical standards adopted by the set maker and disc content industries.

Please note that the **PARENTAL CONTROL** system will not operate a DVD disc which is not furnished with the appropriate software coding. Also note that at the time of release of this DVD player, certain aspects of the technical standards had not been settled between set makers and the disc industries.

On this basis Philips cannot guarantee the functioning of **PARENTAL CONTROL** system and denies any liability associated with unintended watching of disc content. If in doubt, please make sure the disc plays according to your **PARENTAL CONTROL** settings before you allow children access to the player.

Before Requesting Service

If it appears that the DVD-Video player is faulty, first consult this checklist. It may be that something has been overlooked. Under no circumstances attempt to repair the system yourself; this will invalidate the warranty.

Look for the specific symptom(s). Then perform only the actions listed to remedy the specific symptom(s).

| Symptom | Remedy |
|--|---|
| No power | <ul style="list-style-type: none">– Make sure the mains cord (AC Power) is properly connected.– Check if there is power at the AC outlet by plugging in another appliance. |
| No picture | <ul style="list-style-type: none">– Check if the TV is switched on.– Check the video connection. |
| Distorted picture | <ul style="list-style-type: none">– Check the disc for fingerprints and clean the disc with a soft cloth, wiping from the centre to the edge in a straight line.– Sometimes a small amount of picture distortion may appear. This is not a malfunction. |
| Completely distorted picture or no colour with player menu. | <ul style="list-style-type: none">– If the picture is distorted completely or if the picture rolls vertically, make sure the NTSC/PAL setting at the DVD player matches the video signal of your television.– If your TV video signal is NTSC, select the NTSC setting at the DVD player.– If your video signal is PAL, select the PAL setting - see NTSC/PAL SETTINGS. |
| Distorted or Black/White picture with DVD or Video CD. | <ul style="list-style-type: none">– The disc format does not match your TV's video signal (PAL/NTSC) - see NTSC/PAL Conversion. |
| No sound | <ul style="list-style-type: none">– Check audio connections.– If you are using a HiFi amplifier, try another sound source. |
| Distorted sound from HiFi amplifier. | <ul style="list-style-type: none">– Check to make sure that no audio connections are made to the amplifier phono input. |
| No audio at digital output. | <ul style="list-style-type: none">– Check the digital connections.– Check the settings menu to make sure the digital output is set to ALL or PCM.– Check if the audio format of the selected audio language matches your receiver capabilities.– Not applicable for MP3 |
| Disc can't be played. | <ul style="list-style-type: none">– Ensure the disc label is facing up.– Clean the disc.– Check if the disc is defective by trying another disc.– Check to see if the disc is defective, badly scratched or warped (not flat) |
| No return to start-up screen when disc is removed. | <ul style="list-style-type: none">– Reset by switching the player off, then on again.– Check to see if the programme requires another disc to be loaded. |
| The player does not respond to the remote control. | <ul style="list-style-type: none">– Aim the remote control directly at the sensor on the front of the player.– Remove any obstacles between the player and the remote control.– Inspect or replace the batteries in the remote control. |
| Buttons do not work. | <ul style="list-style-type: none">– In order to completely reset the player, unplug the AC cord from the AC outlet. (Please ensure that the set is not in Initial Setup mode) |
| Player does not respond to some operating commands during playback. | <ul style="list-style-type: none">– Operations may not be permitted by the disc. Refer to the instructions of the disc. |
| DVD-Video player cannot read CDs/DVDs | <ul style="list-style-type: none">– Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD-Video player for repair. |

Specification

PLAYBACK SYSTEM

DVD-Video
Video CD & SVCD
CD (CD-R and CD-RW)
DVD+RW
MP3 (DVD622 only)

OPTICAL READOUT SYSTEM

| | |
|--------------------|---------------------------------|
| Lasertype | Semiconductor AlGaAs |
| Numerical Aperture | 0.60 (DVD) 0.45 (VCD/CD) |
| Wavelength | 650 nm (DVD) 780 nm (VCD/CD) |

DVD DISC FORMAT

| | | |
|------------------------|--------------|---------|
| Medium | Optical Disc | |
| Diameter | 12cm (8cm) | |
| Playing time (12cm) | One layer | 2.15 h* |
| | Dual layer | 4 h* |
| | Two side | 4.30 h* |
| | Single layer | |
| | Two side | 8 h* |
| Dual layer | | |

VIDEO FORMAT

| | |
|---------------------|---------------------------------|
| DA Converter | 10 bits |
| Signal handling | Components |
| Digital Compression | MPEG2 for DVD, MPEG1 for VCD |

TV STANDARD

| | (PAL/50Hz) | (NTSC/60Hz) |
|-----------------|---------------|-------------|
| Number of lines | 625 | 525 |
| Playback | Multistandard | (PAL/NTSC) |

DVD

| | | |
|---------------------|------------|------------|
| Horiz. Resolution | 720 pixels | 720 pixels |
| Vertical Resolution | 576 lines | 480 lines |

VCD

| | | |
|---------------------|------------|------------|
| Horiz. Resolution | 352 pixels | 352 pixels |
| Vertical Resolution | 288 lines | 240 lines |

VIDEO PERFORMANCE

| | |
|--------------------|--------------------|
| Video output | 1Vpp into 75 ohm |
| RGB (SCART) output | 0.7Vpp into 75 ohm |
| Black Level Shift | On/Off |
| Video Shift | Left/Right |

AUDIO FORMAT

| | | |
|---------|-------------------|----------------------|
| Digital | MPEG | Compressed Digital |
| | DTS/Dolby Digital | 16, 20, 24 bits |
| | PCM | fs, 44.1, 48, 96 kHz |

Analog Sound Stereo
Dolby Pro Logic downmix from Dolby Digital multi-channel sound
3D Sound (TruSurround) for virtual 5.1 channel sound on 2 speakers

AUDIO PERFORMANCE

| | | |
|-----------------------------|-------------|---------------|
| DA Converter | 24 bits | |
| DVD | fs 96 kHz | 4 Hz - 44 kHz |
| | fs 48 kHz | 4 Hz - 22 kHz |
| | fs 44.1 kHz | 4 Hz - 20 kHz |
| Video CD | fs 44.1 kHz | 4 Hz - 20 kHz |
| CD | fs 44.1 kHz | 4 Hz - 20 kHz |
| Signal-Noise (1kHz) | | 100 dB |
| Dynamic Range (1kHz) | | 97 dB |
| Crosstalk (1kHz) | | 110 dB |
| Distortion and Noise (1kHz) | | 88 dB |
| MPEG MP3 | | MPEG Audio L3 |

CONNECTIONS

| | |
|------------------|---|
| SCART | Euroconnector |
| Video Output | Cinch (yellow) |
| Audio L+R output | Cinch (white/red) |
| Digital Output | 1 coaxial IEC958 for CDDA / LPCM IEC1937 for MPEG1/2, Dolby Digital and DTS |

CABINET

| | |
|------------------------|-------------------|
| Dimensions (w x h x d) | 435 x 81 x 295 mm |
| Weight | Approx. 3.5 Kg |

GENERAL FUNCTIONALITY

Stop / Play / Pause
Fast Forward / Backward
Time Search
Step Forward / Backward
Slow Motion
Title / Chapter / Track Select
Skip Next / Previous
Repeat (Chapter / Title / All) or (Track / All)
A-B Repeat
Shuffle
Scan
New enhanced user graphical interface
Perfect Still with digital multi-tap filter
Zoom (x1.33, x2, x4) with picture enhancement
Smart Picture for convenient personal colour setting (DVD622 only)
PAL/NTSC Conversion (DVD622 only)
Screen Saver (Dim 75% after 15 min.)
3D Sound (TruSurround)
Virtual Jog Shuttle
Audio and video bit rate indicator

DVD FUNCTIONALITY

Multi-angle Selection
Audio Selection (1 out of max. 8 languages)
Subtitles Selection (1 out of max. 32 languages)
Aspect Ratio conversion (16:9, 4:3 Letterbox, 4:3 Pan Scan)
Parental Control and Disk Lock
Disc Menu support (Title Menu and Root Menu)
Resume (5 discs) after stop / standby
Programming Titles/chapters with Favourite Selection

VIDEO CD FUNCTIONALITY

Playback Control for VCD 2.0 discs
Disc Lock
Resume (5 discs) after stop / standby
Programming Tracks with Favourite Selection

AUDIO CD FUNCTIONALITY

Time Display (Total / Track / Remaining Track Time)
Full audio functionality with remote control
Programming with Favourite Track Selection

MP3 FUNCTIONALITY (DVD622 only)

Time Display (Track)
Album and Track Selection
Repeat (Disc / Album / Track)

* typical playing time for movie with 2 spoken languages and 3 subtitle languages.

Specifications subject to change without prior notice